

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2004/000464

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
Int. Cl. ?: H02J.7/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI,USPTO, IEEE XPLOR (batteries, +charge+, management)		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6426628 B (PALM et al.) 30 July 2002. Whole document, Figure 3 item 110, column 2 lines 4-14, column 4 line 30 to column 5 line 58, column 17 line 64 to column 18 line 3	20
Y	WO 200260029 A (COCHLEAR LTD) 1 August 2002 Abstract, figures	1,20,21,25
Y	WO 200069012 A (EXONIX CORP) 16 November 2000 Whole document	1,20,25
Y	US 5903764 A (SHYR et al.) 11 May 1999 Whole document , especially figures	1,20,21,25
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
<small>* Special categories of cited documents:            "A" document defining the general state of the art which is not considered to be of particular relevance            "E" earlier application or patent but published on or after the international filing date            "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)            "O" document referring to an oral disclosure, use, exhibition or other means            "P" document published prior to the international filing date but later than the priority date claimed            "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention            "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone            "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art            "&amp;" document member of the same patent family         </small>		
Date of the actual completion of the international search 27 April 2004		Date of mailing of the international search report 5 - MAY 2004
Name and mailing address of the ISA/AU <b>AUSTRALIAN PATENT OFFICE</b> PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer <b>DALE SIVER</b> Telephone No : (02) 6283 2196

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5869970 A (PALM et al.) 9 February 1999 Whole document , especially. claims	20
A	US 6348777 B (BROWN et al.) 19 February 2002 Whole document	1
A	US 5369351 A (ADAMS) 29 November 1994 Whole document	1

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
**PCT/AU2004/000464**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	6426628	US	5869970	US	5959371		
WO	02060029	CA	2416388	EP	1354388	US	2004049243
WO	0069012	AU	51238/00	CA	2371378	EP	1205004
		US	6166518	US	6278258	US	2002140399
US	5903764	EP	0875977	JP	11018313		
US	5869970	US	5959371	US	6426628		
US	6348777	AU	41792/01	CA	2401576	EP	1266437
		WO	0165657				
US	5369351		NONE				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

**END OF ANNEX**